

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In Re Application of:**

**Yogesh S. Sanghvi, Vincente Gotor,
Miguel Ferrero, Susana Fernandez,
Javier Garcia**

**Group Art Unit: Not yet
assigned**

Serial No.: 09/822,903

Examiner: Not yet assigned

Filing Date: March 30, 2001

**For: BUILDING BLOCKS FOR THE SOLUTION
PHASE SYNTHESIS OF OLIGONUCLEOTIDES**

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

Utility Patent Design Patent

is sought on the invention, whose title appears above, the specification of which:

is attached hereto.

was filed on March 30, 2001 as Serial No. 09/822,903.

said application having been amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed
_____	_____
_____	_____
_____	_____

I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John W. Caldwell Registration No.28,937

Maureen S. Gibbons Registration No.44,121

of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 and

Herb Boswell Registration No. 27,311

Laurel Bernstein Registration No. 37,280

Robert S. Andrews Registration No. 44,508

April Logan Registration No. 33,950

Neil S. Bartfeld Registration No. 39,901

Kenneth H. Tarbet Registration No. 43,181

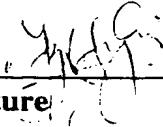
of **ISIS PHARMACEUTICALS, INC.**, 2292 Faraday Avenue, Carlsbad, California 92008

Address all telephone calls and correspondence to:

Maureen S. Gibbons
WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: **(215) 568-3100**
Facsimile No.: **(215) 568-3439**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Yogesh S. Sanghvi	Signature 
Mailing Address: 2169 Wandering Road Encinitas, CA 92024	Date of Signature: <u>June 15, 2001</u>
City/State of Actual Residence: U.S.A.	Citizenship: U.S.A

Name: Vicente Gotor	Signature 
Mailing Address: C/La Bolgachina, Torres del Parque 2-5°-A, 33008-Oviedo, Spain	Date of Signature: <u>4-June-2001</u>
City/State of Actual Residence: Spain	Citizenship: Spain

Name: Miguel Ferrero	Signature  <hr/>
	Date of Signature: <u>4-JUNE-2001</u>
	Citizenship: Spain
Mailing Address: C/Catedratico J. M. Martinez Cachero, 6-4°-B, 33013-Oviedo, Spain	
City/State of Actual Residence: Spain	

Name: Susana Fernandez	Signature  <hr/>
	Date of Signature: <u>4-June-2001</u>
	Citizenship: Spain
Mailing Address: C/Catedratico J. M. Martinez Cachero 6-4°-B, 33013-Oviedo, Spain	
City/State of Actual Residence: Spain	

Name: <u>J.G. 4-308-401</u> <u>Garcia E. Javier Garcia</u>	 Signature
Date of Signature: <u>4 - JUNE 2003</u>	
Citizenship: <u>Spain</u>	
Mailing Address: <u>C/Las Palmeras, 2-1°-B,33320-</u> <u>Colunga (Asturias), Spain</u>	
City/State of Actual Residence: <u>Spain</u>	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Sanghvi, et al.

Serial No.: 09/822,903**Group Art Unit:** 1645**Filed:** March 30, 2001**Examiner:** N/A**For:** BUILDING BLOCKS FOR THE
SOLUTION PHASE SYNTHESIS OF
OLIGONUCLEOTIDESAssistant Commissioner for Patents
Washington DC 20231**ASSOCIATE POWER OF ATTORNEY**

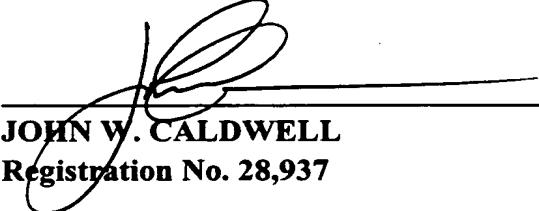
The undersigned, of the firm WOODCOCK WASHBURN LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney and/or Agents for Applicant(s), hereby appoints the following:

Richard E. Kurtz	Registration No. 19,263	Michael J. Swope	Registration No. 38,041
Dale M. Heist	Registration No. 28,425	Michael J. Bonella	Registration No. 41,628
Gary H. Levin	Registration No. 28,734	Harold H. Fullmer	Registration No. 42,560
Steven J. Rocci	Registration No. 30,489	John E. McGlynn	Registration No. 42,863
Dianne B. Elderkin	Registration No. 28,598	Jonathan M. Waldman	Registration No. 40,861
John P. Donohue, Jr.	Registration No. 29,916	Paul K. Legaard	Registration No. 38,534
Henrik D. Parker	Registration No. 31,863	Chad Ziegler	Registration No. 44,273
Suzanne E. Miller	Registration No. 32,279	Gwilym J.O. Attwell	Registration No. 45,449
Lynn B. Morreale	Registration No. 32,842	David N. Farsiu	Registration No. 44,104
Mark DeLuca	Registration No. 33,229	Steven H. Meyer	Registration No. 37,189
Joseph Lucci	Registration No. 33,307	Paul B. Milcetic	Registration No. 46,261
Michael P. Dunnam	Registration No. 32,611	Joseph R. Condo	Registration No. 42,431
Michael D. Stein	Registration No. 34,734	Michael K. Jones	Registration No. 41,100
Albert J. Marcellino	Registration No. 34,664	Frank T. Carroll	Registration No. 42,392
David R. Bailey	Registration No. 35,057	Mark J. Rosen	Registration No. 39,822
Doreen Yatko Trujillo	Registration No. 35,719	Eric H. Vance	Registration No. 47,151
Barbara L. Mullin	Registration No. 38,250	Peter M. Ullman	Registration No. 43,963
Michael P. Straher	Registration No. 38,325	Thomas E. Watson	Registration No. 43,243
Kevin M. Flannery	Registration No. 35,871	Richard B. LeBlanc	Registration No. 39,495
David A. Cherry	Registration No. 35,099	Joseph D. Rossi	Registration No. 47,038
Robert B. Washburn	Registration No. 16,574	Rosaleen P. Morris	Registration No. 47,321
Norman L. Norris	Registration No. 24,196	George J. Awad	Registration No. 46,528
Lynn A. Malinoski	Registration No. 38,788	Steven D. Maslowski	Registration No. 46,905
Steven B. Samuels	Registration No. 37,711	S. Maurice Valla	Registration No. 43,966
Anthony J. Rossi	Registration No. 24,053	Vincent J. Roccia	Registration No. 43,887
Terence P. Strobaugh	Registration No. 25,460	Robin S. Quartin	Registration No. 45,028

Patrick J. Farley	Registration No. 42,524	Andrew J. Hagerty	Registration No. 44,141
Gregory L. Hillyer	Registration No. 44,154	Emma R. Dailey	Registration No. P48,491
Susan C. Murphy	Registration No. 46,221	Stephen C. Timmins	Registration No. P48,481
Raymond N. Scott, Jr.	Registration No. P48,666	Erich M. Falke	Registration No. P49,049
David L. Marcus	Registration No. 46,897	Jane Inglese	Registration No. P48,444
Christine A. Goddard	Registration No. 46,731	Janet E. Reed	Registration No. 36,252
Ellen M. Klann	Registration No. 44,836	Scott E. Scioli	Registration No. 47,930
		Lawrence A. Aaronson	Registration No. 38,369
		John A. Harrelson	Registration No. 42,637
		Jeffrey J. King	Registration No. 38,515

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN LLP at the above address.

Date: October 12, 2001


JOHN W. CALDWELL
Registration No. 28,937

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439